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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|----------------------------------------------|----------------|----------------------|-------------------------|------------------|--|
| 10/730,412 | 12/08/2003 | Mark A. Ealey | XIN-101J | 2452 | |
| 75 | 590 07/06/2004 | | EXAMINER | | |
| Iandiorio & Teska | | | SHAFER, RICKY D | | |
| 260 Bear Hill Road Waltham, MA 02451-1018 | | | ART UNIT | PAPER NUMBER | |
| , | | | 2872 | | |
| | | | DATE MAILED: 07/06/2004 | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| | Application No. | Applicant(s) | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------|--|--|--|
| Office Action Summer | 10/730,412 | EALEY, MARK A. | | | | |
| Office Action Summary | Examiner | Art Unit | | | | |
| | Ricky D. Shafer | 2872 | AN | | | |
| Th MAILING DATE of this communication app Period for Reply | ears on the cover sheet with the c | orrespondence addres | ss | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). | 6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE | nely filed s will be considered timely. the mailing date of this commu | unication. | | | |
| Status | | | | | | |
| 1) Responsive to communication(s) filed on <u>08 De</u> | ecember 2003. | | · | | | |
| 2a) This action is FINAL . 2b) This | a) This action is FINAL . 2b) This action is non-final. | | | | | |
| 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is | | | | | | |
| closed in accordance with the practice under E | x parte Quayle, 1935 C.D. 11, 45 | 53 O.G. 213. | | | | |
| Disposition of Claims | | | | | | |
| 4) Claim(s) 1-13 is/are pending in the application. | | | | | | |
| 4a) Of the above claim(s) is/are withdraw | vn from consideration. | | | | | |
| 5) Claim(s) is/are allowed. | | | | | | |
| 6) Claim(s) is/are rejected. | | | | | | |
| 7) Claim(s) is/are objected to. | | | | | | |
| 8) Claim(s) <u>1-13</u> are subject to restriction and/or e | election requirement. | | | | | |
| Application Papers | | | | | | |
| 9)☐ The specification is objected to by the Examine | r. | | | | | |
| 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. | | | | | | |
| Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). | | | | | | |
| Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). | | | | | | |
| 11)☐ The oath or declaration is objected to by the Ex | aminer. Note the attached Office | Action or form PTO- | 152. | | | |
| Priority under 35 U.S.C. § 119 | | | | | | |
| 12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of: | priority under 35 U.S.C. § 119(a) |)-(d) or (f). | | | | |
| 1. Certified copies of the priority documents have been received. | | | | | | |
| 2. Certified copies of the priority documents have been received in Application No | | | | | | |
| 3. Copies of the certified copies of the priority documents have been received in this National Stage | | | | | | |
| application from the International Bureau (PCT Rule 17.2(a)). | | | | | | |
| * See the attached detailed Office action for a list of the certified copies not received. | | | | | | |
| | | | | | | |
| Attachment(s) | ∧ □ <u></u> | (DTO 442) | | | | |
| 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date | | | | | | |
| 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date | 5) Notice of Informal F 6) Other: | Patent Application (PTO-15 | 2) | | | |
| aper rectanguistan bare | | | | | | |

Application/Control Number: 10/730,412

Art Unit: 2872

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-12, drawn to an integrated actuator meniscus mirror comprising an optical substrate including a mirror surface on one side and a support structure on the other and a plurality of actuators for applying bending moments to said mirror surface, classified in class 359, subclass 849.

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- II. Claim 13, drawn to an integrated actuator meniscus mirror comprising surface for controlling altering the shape of said mirror surface without a reaction mass, classified in class 359, subclass 848.
- 2. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because of the omission that the mirror includes a surface for controlling altering the shape of said mirror surface without a reaction mass. The subcombination has separate utility such as an integrated actuator meniscus mirror without a support structure and/or a plurality of actuators.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification or because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Art Unit: 2872

Applicant is advised that the reply to this requirement to be complete must include an 4. election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ricky D. Shafer whose telephone number is (571) 272-2320. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RDS

July 01, 2004

Rils Class